9 a.m.
GIS Day Event Opens!

10 - 11 a.m.
Introduction to Thinking Spatially with GIS

Thinking Spatially is a fundamental building block for learning GIS. This presentation is meant to teach young people about the basic concepts of Geography and how it relates to the real world. We will demonstrate these concepts through the use of Location, Data, and Analysis.

Andrew Kniowski, Cameron Crenshaw, Melinda Brown
ESRI Support Services
ESRI

11 - 11:15 a.m.
Seeing the Trees in the Forest – Volunteer-led Applications of GIS in Raleigh's Nature Preserves and Natural Areas

New technology has made collecting GIS data easier than ever, allowing college students, youths, and adult volunteers to easily collect biodiversity data and contribute that data to support management at Raleigh's Wilkerson Nature Preserve and other natural areas.

Bryan England
Natural Resources & Parks Operations Supervisor
City of Raleigh Department of Parks, Recreation and Cultural Resources

11:15 - 11:30 a.m.
Drops of Jupyter: Making maps with Python and Interactive Notebooks

Jupyter Notebooks provide a great interactive environment for carrying out data analysis, documentation, and visualization. From simple static maps to full blown interactive dashboards, this presentation will offer a quick introduction to the ecosystem of Python libraries for visualizing your spatial data in a notebook environment.

Ryan Cooper
Technology Analyst
City of Raleigh Department of Parks, Recreation and Cultural Resources

11:30 - 11:45 a.m.
Identifying Opioid Overdoses Across Wake County with GIS Operations
Dashboard

Wake County EMS is a repository of data that aids insight into the health of the population. Through geospatial analysis, EMS has the ability to track where/when/why drug and opioid overdose are occurring and better drive intervention to those areas in need.

Robert M. Davis, MPA
EMS Analytics
Wake County EMS

12 - 1 p.m.
Using the Power of GIS to Understand Access to Public Transit

Spatial understanding of public accessibility and need is crucial for successful community infrastructure. We demonstrate a workflow to evaluate measures of need and availability to bus service in the Raleigh area and illustrate how future improvements could be organized with spatial awareness as the foundation for engaging our ever changing communities.

Andrew Kniowski, Cameron Crenshaw, Melinda Brown
ESRI Support Services
ESRI

1 - 1:30 p.m.
Powering maps with open source and open data: Local examples with local data

This talk will discuss how citizens can use open source tools with open data to learn, share, and help their communities make better decisions. We'll cover several tools free and open source tools to make GIS accessible, tangible, and fun for everyone.

Jason Baker
Data Analyst and Digital Marketer
Red Hat

1:30 - 2 p.m.
Triangle Stormwater Data Sharing

Stormwater goes where it wants to go and it doesn't care about jurisdiction. Find out how the Triangle's municipalities, counties and even the state are collaborating on sharing their real-time flood data to improve public safety.

Karen Lindquist
Chief Operating Officer
Green Stream Technologies, Inc.

2 – 2:30 p.m.
Open data: The new oil fueling civic tech

Civic hackers and start-ups alike are using open data provided by government to change their community or start a new business. Is open data a new fuel for our economy that's being exploited without much attention? This session will explore what open data is, why it's important to our economy, and highlight several projects leveraging open data to improve our society.

This session will:

* Share the power of open data
* Share examples of open data that contribute to our economy
* Highlight how open data is being used in the start-up and civic tech communities

Jason Hibbets
Senior Community Architect at Red Hat
NC Open Pass Co-Chair with Open Raleigh Brigade

3 p.m.
End of Event